

## ABSTRACT

An organic electrolyte battery separator is composed of a nonwoven comprising a heat-and-humidity gelling resin capable of gelling by heating in the presence of moisture and another fiber. The other fiber is fixed with a gel material obtained by causing the heat-and-humidity gelling resin to gel under heat and humidity. The nonwoven has a mean flow pore diameter of 0.3  $\mu\text{m}$  to 5  $\mu\text{m}$  and a bubble point pore diameter of 3  $\mu\text{m}$  to 20  $\mu\text{m}$  as measured in accordance with ASTM F 316 86. Thereby, the other fiber constituting the nonwoven can be fixed with the heat-and-humidity gelling resin, thereby making it possible to obtain a desired mean flow pore diameter and bubble point pore diameter. As a result, an organic electrolyte battery having a high level of safety, less occurrence of a short circuit, high battery characteristics is provided.